Arizona's Education Transformation
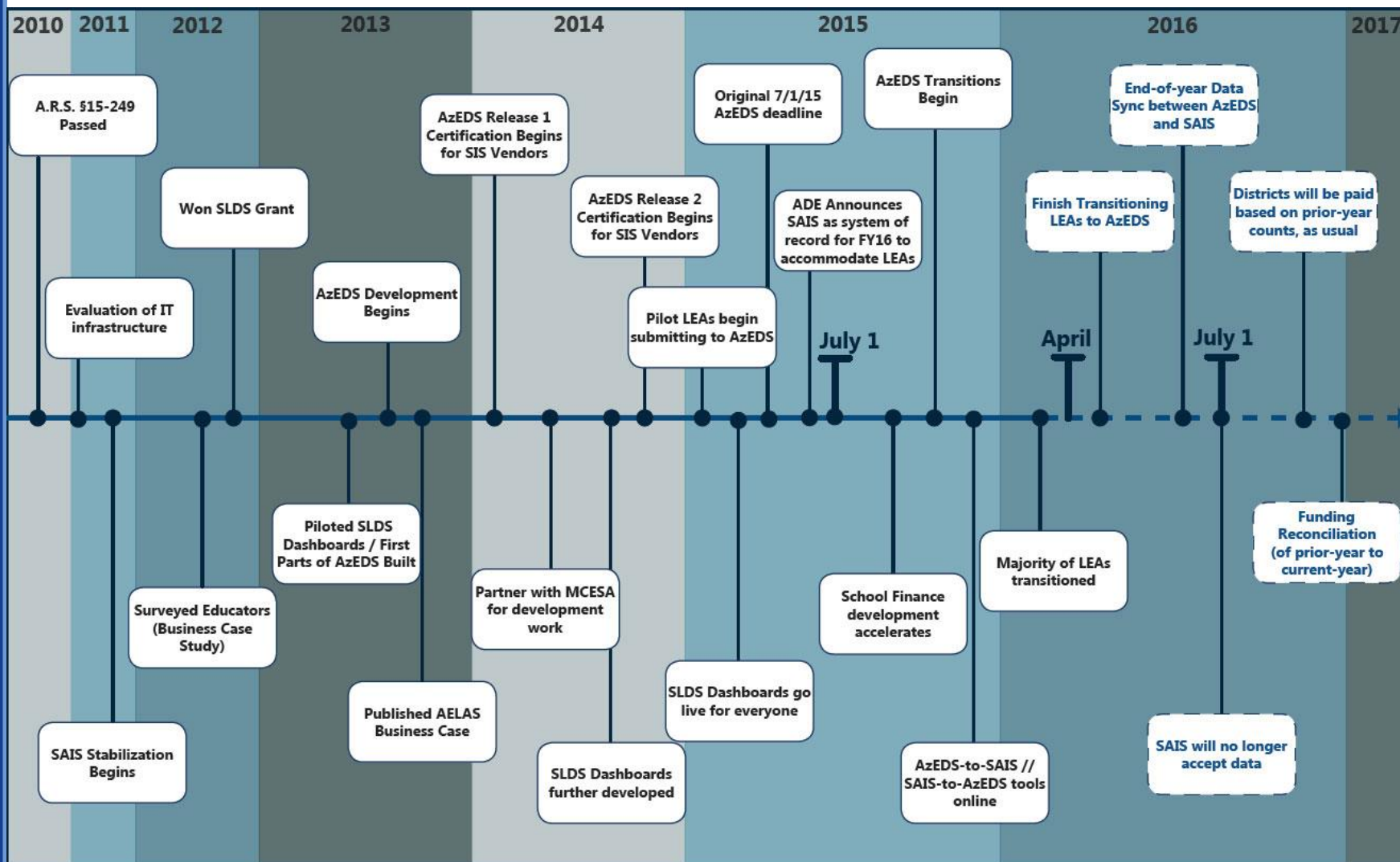
Presented to:

Arizona State Board of Education

May 23, 2016
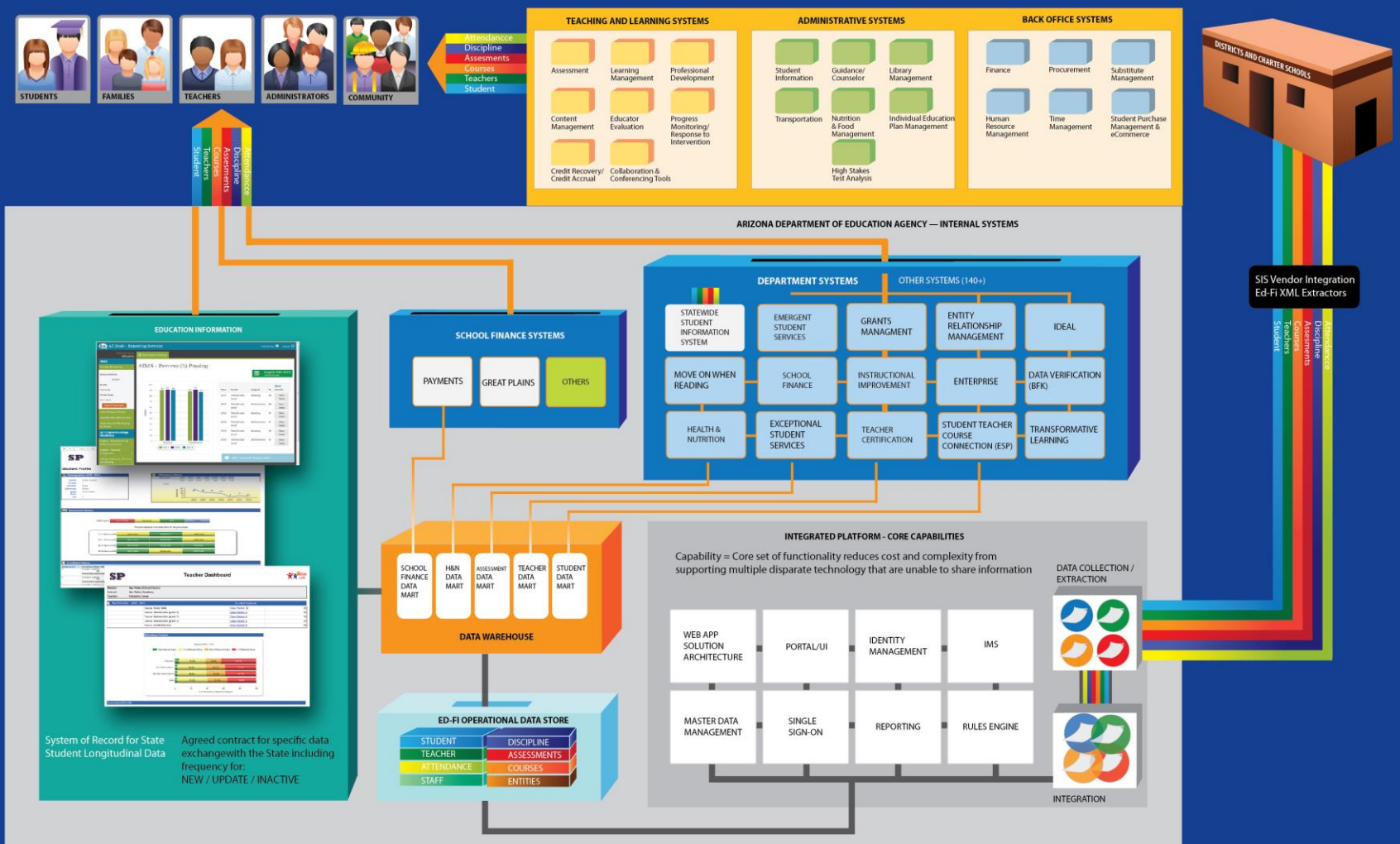
Mark T. Masterson

Chief Information Officer

AELAS PROGRESS

AELAS historical perspective

Timeline 2010–2017

- **A.R.S. §15-249 Passed**
- **Evaluation of IT infrastructure**
- **SAIS Stabilization Begins**
- **Won SLDS Grant**
- **Surveyed Educators (Business Case Study)**
- **AzEDS Development Begins**
- **Piloted SLDS Dashboards / First Parts of AzEDS Built**
- **Published AELAS Business Case**
- **AzEDS Release 1 Certification Begins for SIS Vendors**
- **Partner with MCESA for development work**
- **SLDS Dashboards further developed**
- **AzEDS Release 2 Certification Begins for SIS Vendors**
- **Pilot LEAs begin submitting to AzEDS**
- **SLDS Dashboards go live for everyone**
- **Original 7/1/15 AzEDS deadline**
- **ADE Announces SAIS as system of record for FY16 to accommodate LEAs**
- **July 1**
- **School Finance development accelerates**
- **AzEDS-to-SAIS // SAIS-to-AzEDS tools online**
- **AzEDS Transitions Begin**
- **Majority of LEAs transitioned**
- **Finish Transitioning LEAs to AzEDS**
- **April**
- **End-of-year Data Sync between AzEDS and SAIS**
- **Districts will be paid based on prior-year counts, as usual**
- **July 1**
- **Funding Reconciliation (of prior-year to current-year)**
- **SAIS will no longer accept data**

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AELAS archeticture

FY16 recap and deliverables

- Emphasis on completing Student portion of SAIS replacement
    - 78% of student population now submitting to AzEDS
    - AzEDS becomes system of record in FY17
    - Deployed new School Finance processing engine

- Continue rollout of Statewide Student Information System

- Ongoing technical support for AELAS tools
    - ADEConnect, AZDash, SSIS, AzEDS support personnel
    - Ensures education community of state's commitment to sustainability

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What was tabled in FY16

- Integrating existing systems that use SAIS for data

- 1-year implementation for SAIS replacement

- New dashboards for AZ Dash

- Adequate software/hardware needs for AELAS development

- Roll out of Opt-in Teaching and Learning tools that have been developed

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FY12-16 budget expenditures

Project	FY2012	FY2013	FY2014	FY2015	FY2016	Project Spend Total
SAIS Replacement	$2,817,422	$2,978,442	$2,012,168	$3,791,082	$1,629,175	$13,228,291
School Finance	$0	$577,633	$771,427	$1,222,344	$1,367,224	$3,938,627
SLDS	$986,236	$716,800	$1,048,242	$1,884,615	$0	$4,635,893
SSIS	$0	$64,724	$176,316	$808,783	$660,373	$1,710,195
Production Support	$316,440	$2,115,858	$2,507,015	$3,407,485	$3,689,137	$12,035,935
Teacher Tool (LMS, CMS, etc.)	$0	$298,366	$403,613	$611,983	$76,022	$1,389,983
FY Total	$4,120,099	$6,751,823	$6,918,780	$11,726,292	$7,421,931 *as of 4/30/16	$36,938,925

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What was said about the transition

- Notified ASCUS that the transition was deferred on 4/23/15 allowing LEAs to adjust
  - Avoiding the big bang rollout we were heading towards
  - Moving from SAIS to AzEDS is not optional

- Outlined to the difficulties at the ASCUS meeting on 9/17/15

- Everyone from the legislature, to ADE, to ASCUS to the students are in this together
  - Support is in place

- Communicated that it will take time

Letter to LEAs in March 2016

- Reiterated that all LEAs must complete transition from SAIS to AzEDS by June 30, 2016
  - Extended using SAIS as system of record for one year

- 78% of state already transitioned and the legislature already invested too much to turn around

- The transition to SAIS years ago was far worse
  - All schools received payments back then!
  - We are ahead of where we were then (auditors agree)

- These two systems were never going to match!
  - Working on a solution to get to 99%

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Transition to AzEDS (all metrics as of April 26)

			Counts for LEAs migrating to AzEDS						
Status Description (Multiple Items)			Closed, Future, or Inactive LEAs filtered						
4/26/16 Data from 5 AM									
Row Labels	LEAs	% of total Students	In Implementation	% Implementing	LEAs Submitting	% Implementation complete	% of Total submitting	Incomplete Implementations	Not yet Implementing
⊞Apex	6	0.41%	6	100%	6	100%	100%	0	0
⊞AZDJC	1	0.07%	1	100%	1	100%	100%	0	0
⊞Connexus	1	0.49%	1	100%	1	100%	100%	0	0
⊞Edupoint	91	33.00%	43	47%	33	77%	47%	10	48
⊞FlipSwitch	1	2.07%	1	100%	1	100%	100%	0	0
⊞Hane Solutions	10	0.21%	10	100%	10	100%	100%	0	0
⊞Illuminate	2	3.42%	2	100%	2	100%	100%	0	0
⊞InfiniteCampus	13	0.49%	7	54%	5	71%	54%	2	6
⊞JupiterEd	2	0.04%	2	100%	2	100%	100%	0	0
⊞PowerSchool	166	37.28%	159	96%	153	96%	96%	6	7
⊞Schoolmaster	318	24.50%	263	83%	236	90%	83%	27	55
⊞Statewide SIS	47	1.10%	22	47%	22	100%	47%	0	25
⊞Tyler V10	1	2.63%	1	100%	1	100%	100%	0	0
⊞Unknown	1	0.00%	-	0%	-	0%	0%	0	1
Grand Total	660	100.00%	518	78%	473	91%	78%	45	142
			+ 3 LEAs for Yesterday		+ 3 LEAs for the week				
							Green Highlights changes from last report		

AzEDS metrics by vendor (as of 4/26/16)

Vendors	Vendor % to total Students	Vendor % Students on AzEDS	Vendor % Students on SAIS
Apex	0.20%	0.20%	0.00%
AZDJC	0.03%	0.03%	0.00%
Connexus	0.23%	0.23%	0.00%
Edupoint	39.72%	16.00%	23.72%
FlipSwitch	0.99%	0.99%	0.00%
Hane Solutions	0.10%	0.10%	0.00%
Illuminate	1.64%	1.64%	0.00%
InfiniteCampus	13.14%	0.24%	12.91%
JupiterEd	0.02%	0.02%	0.00%
PowerSchool	19.27%	18.27%	1.00%
Schoolmaster	15.19%	12.47%	2.71%
Statewide SIS	7.77%	0.52%	7.24%
Tyler V10	1.26%	1.26%	0.00%
Unknown	0.43%	0.43%	0.00%
Grand Total	100.00%	52.41%	47.59%
		100.00%	

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Frequency of submission to AzEDS

Ave. Freq. of Submission by LEAs	Count of LEAs
1	39
2	123
3	45
4	36
5	24
6	37
7	36
8	20
9	22
10	12
11	3
12	3
13	2
14	6
17	1
21	1
(blank)	
Grand Total	410

Through   4/26/16

Distribution of LEA average successful submission Frequency in Days

123 LEAs are submitting, on average, every 2 days with successful transactions, since their initial transmission to AzEDS

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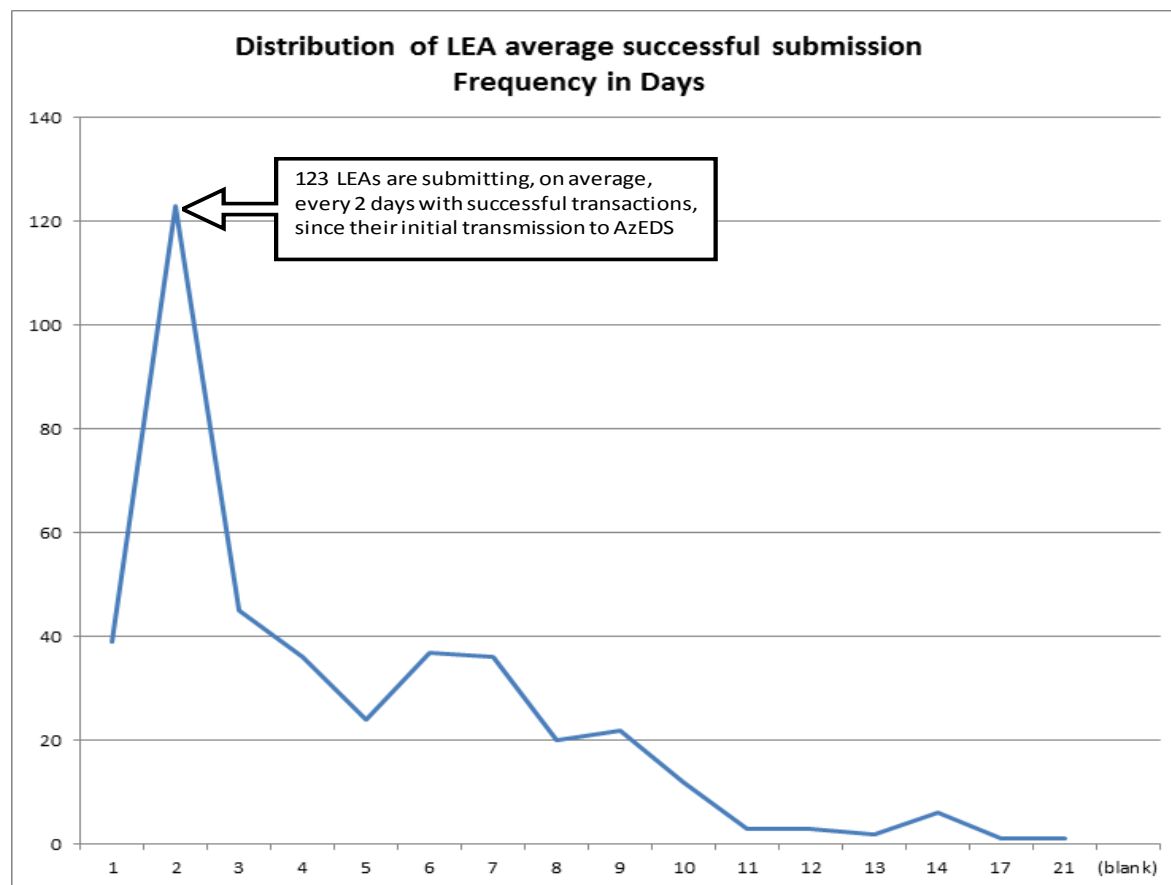
Response time to AzEDS submission

Row Labels	Transaction count	Average ResponseTime (ms)
4/1/2016	433496	1533.695652
4/2/2016	560733	1626.434783
4/3/2016	44433	2228
4/4/2016	458699	3577.869565
4/5/2016	863696	1221.130435
4/6/2016	181296	2383.565217
4/7/2016	696730	966.4782609
4/8/2016	1895408	722.4782609
4/9/2016	1440731	706.8695652
4/10/2016	643946	118.8695652
4/11/2016	1673557	257.4347826
4/12/2016	3946459	384.8333333
4/13/2016	2151577	344.0833333
4/14/2016	2221272	512.0638298
4/15/2016	1789320	676.75
4/16/2016	1216798	525.24
4/17/2016	370356	315.2222222
4/18/2016	1151030	206.0434783
4/19/2016	1063546	200.8695652
4/20/2016	709310	233.0416667
4/21/2016	353027	228
4/22/2016	1082409	336
4/23/2016	658755	239.2608696
4/24/2016	778405	535.8636364
4/25/2016	196979	417.7777778
Grand Total	26581968	814.0635739

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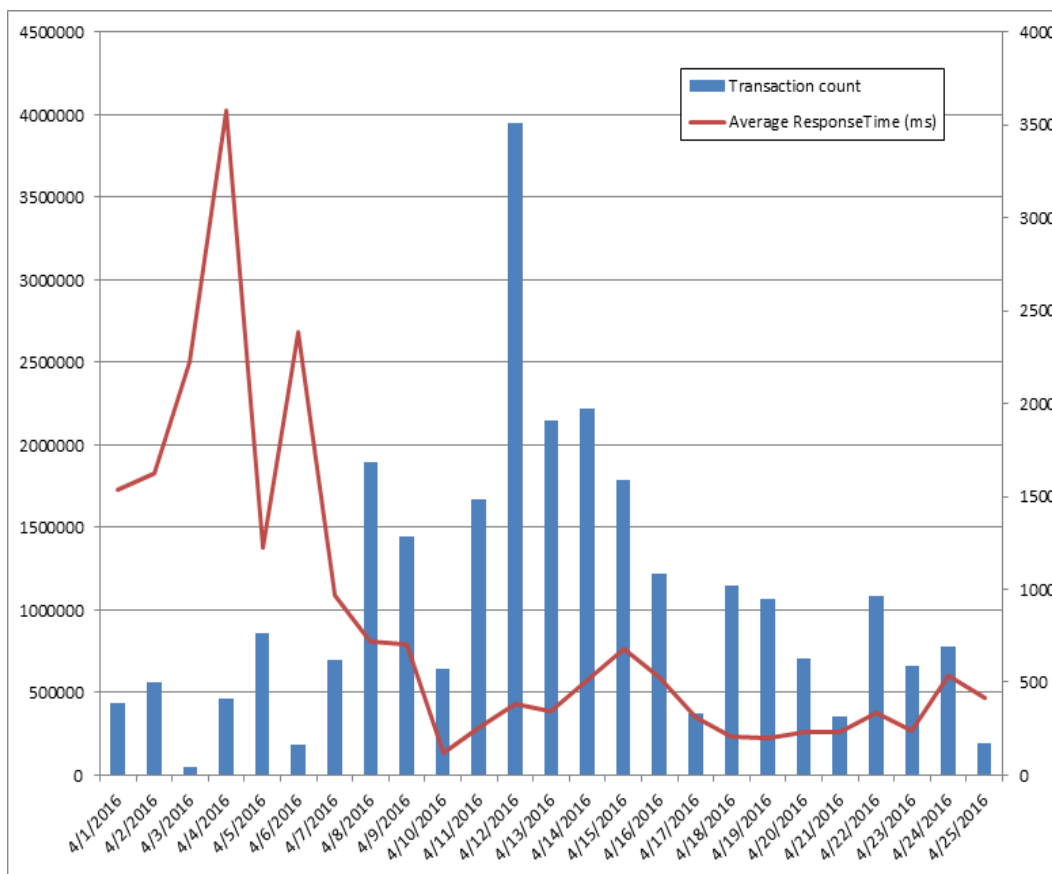
Successful submissions to AzEDS
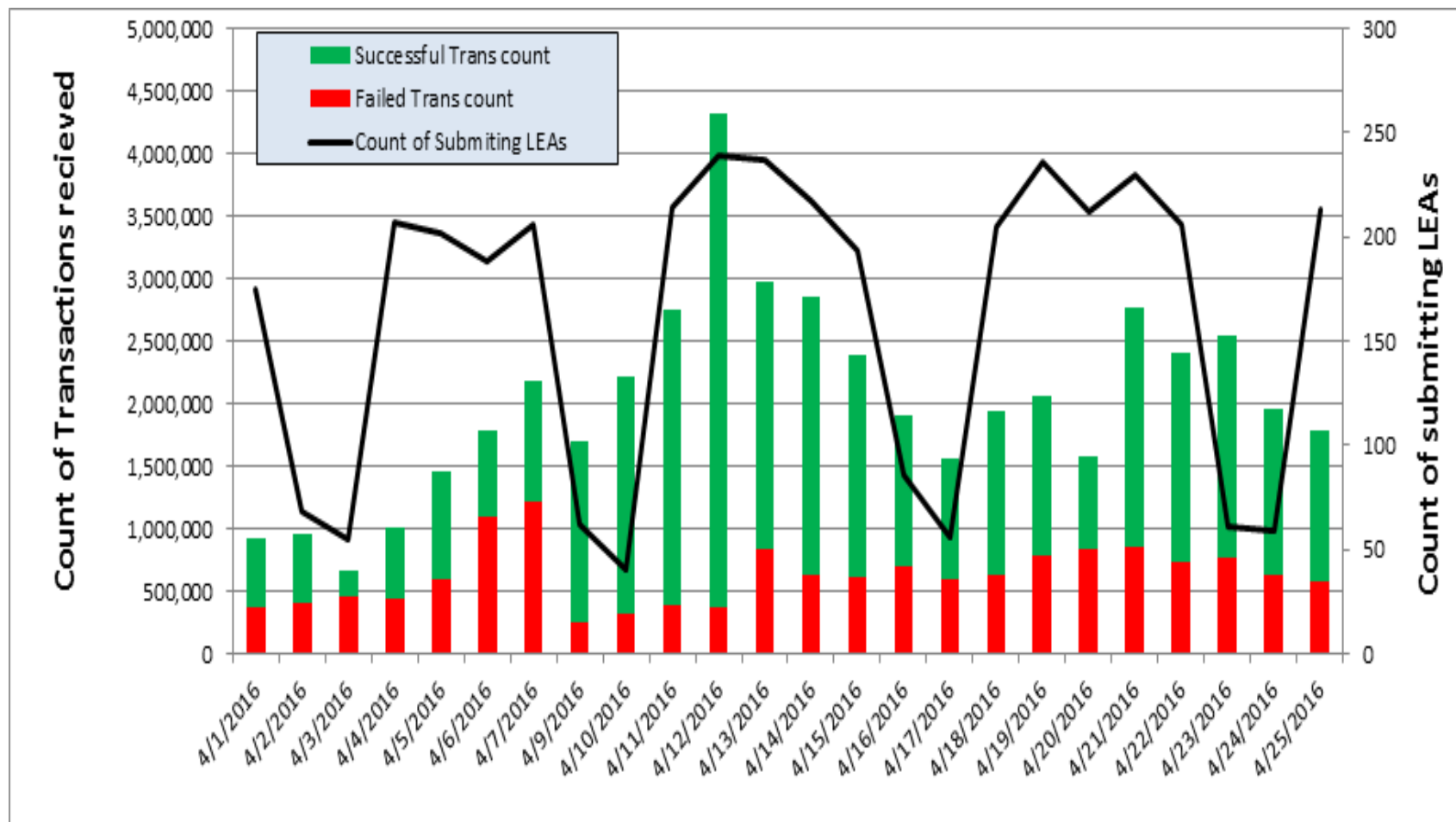
Migration of LEAs to submitting to AzEDS
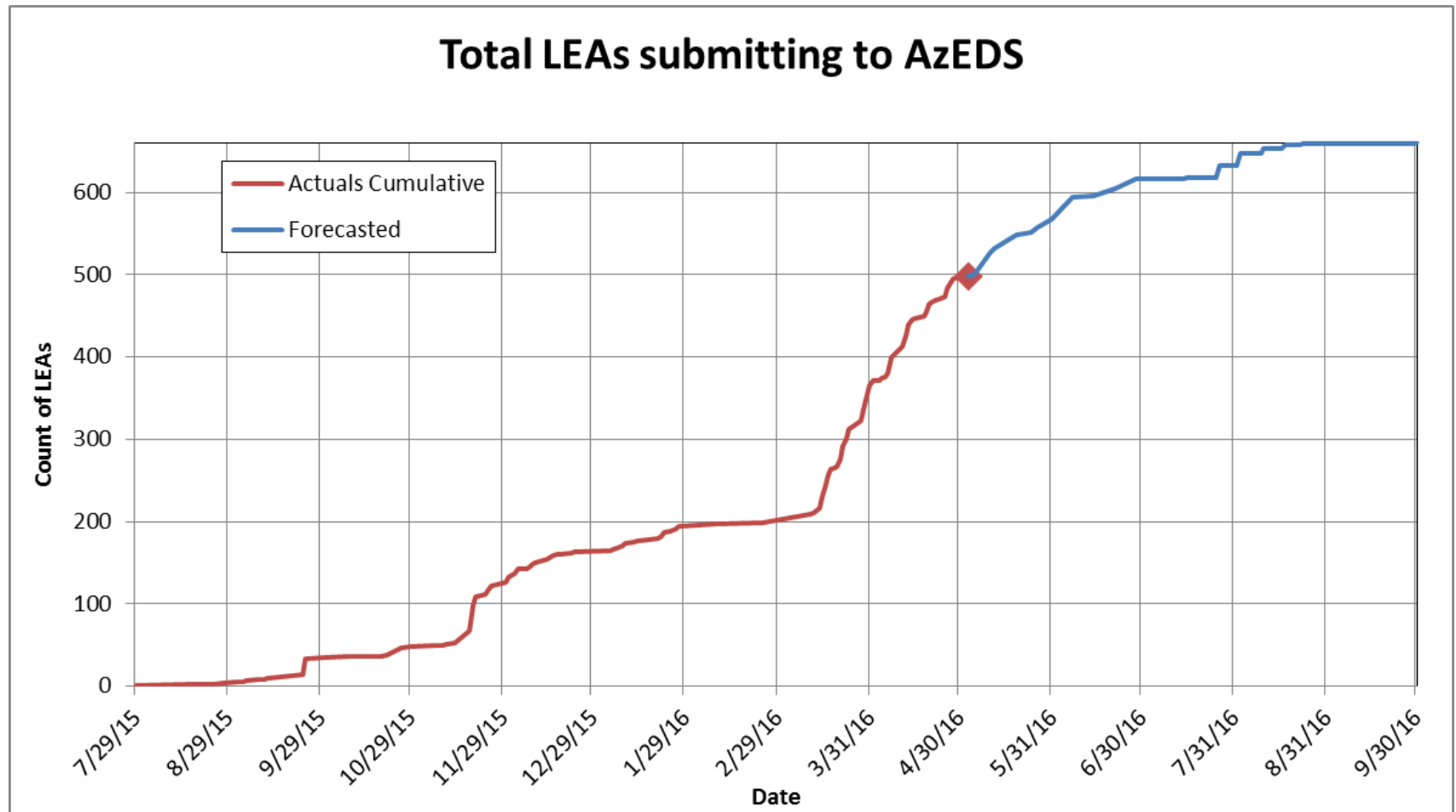
SAIS to AzEDS comparisons

	SAIS	AzEDS
LEAs submitting data to system **(59 LEAs are currently transitioning from SAIS to AzEDS)**	142	518
Number of rules that may be updated or changed	0	315
Time required to run Integrity (validation of data)	2 days	Less than 4 hours
Time required to run end-of-month Integrity (statewide aggregation)	5 days	Less than 5 hours
Time required to recalculate statewide ADM	5 days	<1 hour
Ability for LEAs to audit transaction history	Not Auditable	Auditable
Total transactions processed in last 30 days	15,000,000	31,000,000

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SLDS UPDATE

Then and now
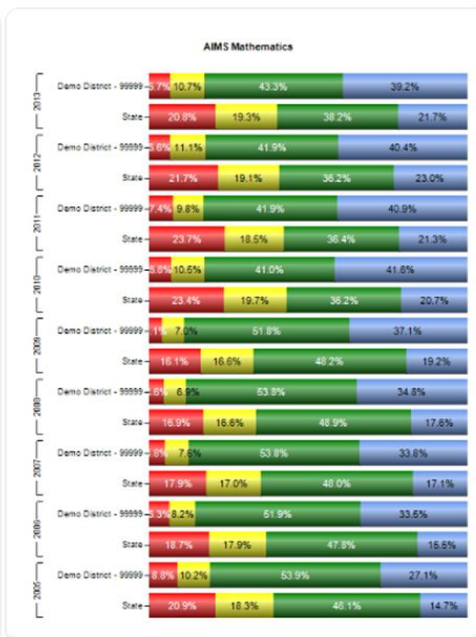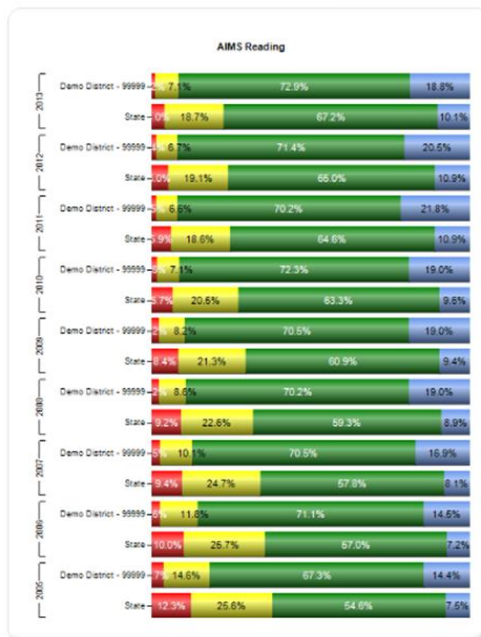
Welcome
Stirling Debbie

AIMS

Historical AIMS ⬇

District

District

School

Junior High School

Report Parameters

Percent (%) Passing ⬇

Percent (%) Passing by School ⬇

Students Who Need to Pass ⬇

Lower & Upper Results ⬇

Stanford 10

Percentile Rank ⬇

Percentile Rank By School ⬇

Lower & Upper Results ⬇

EXPLORE/ACT/College Readiness

EXPLORE - Mean Scores by Subject and School

EXPLORE - Percent (%) Meeting Benchmark Compared to National

ACT - Average Composite Scores ⬇

ACT - Average Composite Scores by Subject ⬇

ACT - Percent (%) Meeting College Readiness Benchmark Comparison ⬇

ACT - Percent (%) of Students Meeting College Readiness Benchmarks By Subject ⬇

Assessment Reports	Enrollment Reports	Teacher Dashboards	Postsecondary

📊 **Historical AIMS**

🏛 **District**
Junior High School

📅 **July 17th 2014**

Disclaimer: Assessment AIMS 2014 data refresh as of June 5th. These data are not verified by ADE for use in any high stakes accountability purposes (A-F, AMO, AMAO, RFP, etc.). Click here for AIMS Calculation Informartion.
Reminder: 2014 AIMS Data is embargoed thru August 4th, 2014.

District: .   District   School: Junior High School

FALLS FAR BELOW	APPROACHES	MEETS	EXCEEDS

AIMS Reading

	Falls Far Below	Approaches	Meets	Exceeds
2014 School	4.8%	17.3%	72.9%	4.9%
2014 District	2.7%	7.0%	73.3%	7.0%
2014 Arizona	3.0%	19.2%	69.2%	8.6%
2013 School	4.6%	19.3%	69.4%	6.7%
2013 District	3.4%	18.9%	70.8%	6.9%
2013 Arizona	4.1%	19.0%	67.5%	9.4%
2012 School	5.9%	16.6%	71.0%	6.5%
2012 District	4.0%	18.7%	68.7%	8.5%
2012 Arizona	5.1%	19.4%	65.3%	10.2%
2011 School	4.8%	17.7%	67.9%	9.6%
2011 District	4.7%	18.4%	68.2%	8.7%
2011 Arizona	6.0%	18.9%	65.0%	10.2%
2010 School	5.6%	17.3%	69.8%	7.3%
2010 District	6.2%	19.8%	65.2%	8.7%
2010 Arizona	6.8%	20.8%	63.6%	8.8%

AIMS Mathematics

	Falls Far Below	Approaches	Meets	Exceeds
2014 School	22.5%	18.8%	36.1%	22.6%
2014 District	18.8%	21.5%	41.9%	17.8%
2014 Arizona	21.2%	19.8%	38.7%	20.4%
2013 School	22.0%	17.5%	35.2%	25.3%
2013 District	18.8%	22.9%	39.2%	19.0%
2013 Arizona	21.3%	19.6%	38.3%	20.8%
2012 School	21.4%	15.7%	36.3%	26.6%
2012 District	18.0%	20.5%	41.1%	20.4%
2012 Arizona	22.1%	19.4%	36.4%	22.2%
2011 School	19.6%	16.9%	40.7%	22.8%
2011 District	18.3%	19.1%	41.7%	20.8%
2011 Arizona	24.2%	18.8%	36.6%	20.5%
2010 School	17.9%	18.3%	39.8%	24.0%
2010 District	18.6%	20.4%	40.9%	20.1%
2010 Arizona	23.8%	19.9%	36.4%	19.9%

AIMS Writing

	Falls Far Below	Approaches	Meets	Exceeds
2014 School	14.0%	45.2%	40.0%	0.9%
2014 District	8.9%	33.7%	55.0%	2.5%
2014 Arizona	9.4%	34.0%	54.3%	2.3%

AIMS Science

	Falls Far Below	Approaches	Meets	Exceeds
2014 School	13.0%	21.5%	26.3%	39.1%
2014 District	20.6%	21.9%	29.3%	28.1%
2014 Arizona	22.4%	22.4%	28.2%	27.1%

Help & Training | Release Notes | Logout

Sidebar Navigation

Percent (%) Passing by Grade Level Subject Comparison ↓

Students Who Need to Pass ↓

Lower & Upper Results ↓

AZELLA

AZELLA Results ↓

District
Demo District -1101
School

[Report Parameters]

Stanford 10

Percentile Rank ↓

Percentile Rank By School ↓

Lower & Upper Results ↓

EXPLORE/ACT/College Readiness

EXPLORE - Mean Scores by Subject and School ↓

EXPLORE - Percent (%) Meeting Benchmark Compared to National ↓

ACT - Average Composite Scores ↓

ACT - Average Composite Scores by Subject ↓

ACT - Percent (%) Meeting College Readiness Benchmark Comparison ↓

ACT - Percent (%) of Students Meeting College Readiness Benchmarks By Subject ↓

Main Content

District: Demo District -1101

Grade: ALL

Chart — Number of Students by Proficiency Level:

- Pre-Emergent/Emergent: 30
- Basic: 86
- Intermediate: 137
- Proficient: (near 0)
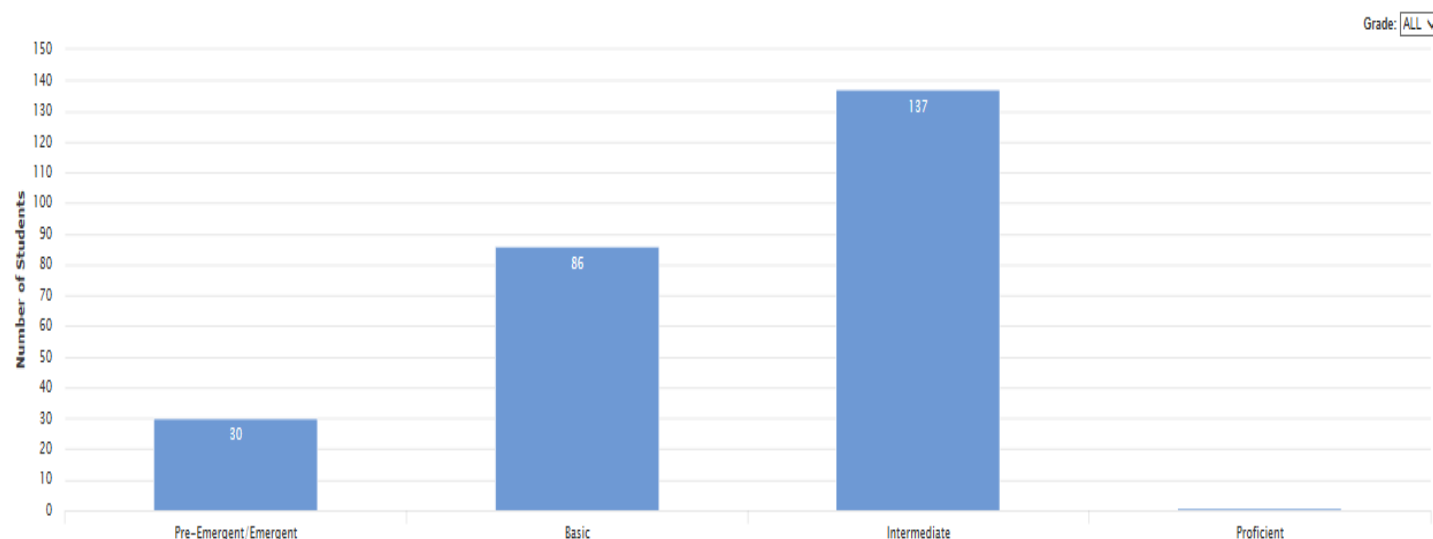
Data for: Demo District -1101

Proficiency Levels: [Reset Filters] PE | PE/E | E | B | B/I | I | P | NDA

Programs: SEI | BDL 1 | BDL 2 | BDL 3 | ILLP

School: ALL | GL: ALL | AIMS Comparison: On | Off

10 records per page

Search:

Student	Current Grade Level	Last Test Date	Times Tested	AZELLA Overall Proficiency Level	Domain Proficiency Level	Trending	Details	AIMS Scores
Student-28054 Demo Demo	5	3/4/2014	12	Intermediate		–	More +	Ma:375 Re:440 Sc:457 Wr:
Demo School -1004								
Student-25525 Demo Demo	11	2/27/2014	10	Intermediate		↑	More +	Ma:438 Re:646 Sc: Wr:418
Demo School -1001								

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Assessment Reports | Enrollment Dashboard | Teacher Dashboards | Postsecondary

Welcome
👤 state admin

Dashboards

Teacher Dashboard ↑

Teacher AIMS Dashboard ↓

Standards Mastery Dashboard ↓

📊 Standards Mastery Dashboard

🏛

📅 March 11th 2015
Wed 10:48 am

Teacher: Thomas, Adam Joseph

Benchmark ▼   2013-14 ATI AZ CC Math 06 Gr CBAS #2 ▼   1st Period ▼

−	Spring 2014	Students: 34	Goal: 70%	Meeting: 50% (16 Students)	Not Meeting: 50% (16 Students)	NDA: 10% (2 Students)
	Spring 2013	Students: 32	Goal: 50%	Meeting: 55% (22 Students)	Not Meeting: 45% (18 Students)	NDA: 10% (2 Students)
	Spring 2012	Students: 32	Goal: 50%	Meeting: 40% (16 Students)	Not Meeting: 60% (24 Students)	NDA: 10% (2 Students)

Spring 2014

	RP	+	NS
	Domain		Domain
% Exceeds Standard (ES)	8.8% [3]		0%
% Meets Standard (MS)	0		50% [16
% Approaches Standard (AS)	50% [17]		50% [16
% Falls Below Standard (FS)	35.3% [12]		0%

Show All ▼

Showing 1 to 4 of 4 entries

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Moving beyond dated data

- AZDash uses set data points
  - Linked to state aid payment dates
  - Beginning of Year (opt-in), 40th, 100th and end of year

- AzEDS allows LEAs to push data as many times as they want
  - Giving educators near real-time data
  - Powers AZDash with current data to allow teachers and administrators to intervene sooner

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SLDS usage

- AZ Report Card
  - March 2016 – 8,818 unique monthly visitors
  - December 2015 – 7,544 unique monthly visitors *(AzMERIT on AZ Report Cards)*

- AZDash
  - December 2015 - 684 unique monthly visitors
  - March 2016 – 791 unique monthly visitors

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Creating Operational Data Stores (ODS)

- Arizona lacked any sort of data standards and chose two before starting development

- Agency adopted CEDS and Ed-Fi data model for ODS

- Benefits of Ed-Fi
  - Consistent ownership and development costs go dramatically down
  - Aligned to the Ed-Fi data tables and stayed close to them as possible for time and ease-of-use
  - Ed-Fi simplifies federal reporting, throws numbers with complexity, as well as aligns easily with Ed Facts, API and dashboards
  - Ease of data transfer from school to agency eliminates data silos and centralizes data retrieval from districts

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Benefits of ODS to LEAs

- Educators wanted a one-stop data shop to get a "single source of truth" with data in one location

- 430 tables allow for sustained growth

- Improved data availability and accuracy improved refreshing from four hours to 30 minutes

Benefits of ODS to ADE

- Allows states to adopt any kind of assessment
- Provides program areas with access to data for business purposes
- Reuse of code quicker is quicker and more efficient
- Flexible system allows for growth as agency grows
- The system will adjust for future rule changes
  - Virtually no development costs will be incurred
- Ed-Fi extended for specific business needs

Benefits to higher education

- ADE's work will provide a blueprint for the future
  - The steps taken with other technology will be replicated
  - Engaging stakeholders, delivering on deadline and within budget are transferrable skills

- The agreement can be synthesized with completed work in other areas

- ADE will begin developing application once financial backing is secured
  - Have attempted to secure money through grants

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SUPPORTING ARIZONA'S INVESTMENT IN AELAS

Future proofing our tech investments

- The move to cloud-based processing/storage has minimized:

  - Security risk
  - Financial investment
  - Falling behind with patches and upgrades
  - Allowed applications to scale with unforeseen growth
  - Allowed ADE to pay only when they develop
  - Created a long-term, economical solution for hardware upgrades
  - Allowed ADE to rent hardware instead of buying it
  - Allowed ADE to avoid building on obsolete hardware

AELAS support costs

- Increased external-facing systems require manpower to perform day-to-day operation and management of existing services

- ADE IT has been capturing costs to maintain complex system like AELAS since FY13

- State legislature has not included funding for ongoing support
  - SAIS fell into disrepair because of lack of funding and technology advancements
  - AELAS will suffer same fate with same treatment

- ADE will not squander the investment

FY2015 support costs

- Support was focused on hardware and software upgrades
  - Infrastructure improvements needed to process expected transactions with new system

- Began to build a help desk structure to handle more complex calls
  - Included creating tiered call routing structure

- $3,407,485

FY2016 support costs

- Moved existing infrastructure to cloud-based technology
  - Allows for faster processing, more storage/bandwidth at lower costs
  - ADE can use what it needs, when it needs for how long it needs

- Continued tiered support to match incoming tickets with right level of expertise to address

- Ongoing upgrades to incident tracking and management to ensure capability to handle higher volume of transactions

- AZDash maintenance and ADEConnect support

- $3,689,137

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FY2017 support costs

- Ongoing program and financial management

- Network and infrastructure improvements
  - release management, patch administration, systems security, monitoring, server maintenance, administration, and network operations,.

- Continued emphasis on support center

- Hardware maintenance and software license renewals

- $3,175,000

FY2018 support costs

- More than $6 billion is processed using SAIS

- Must support financial and accountability system
  - $38 million of state investment at risk

- Funding that supports AELAS accountability, finance and AZDash has been difficult to obtain

Training and support

- Clarifying roles and responsibilities within ADE
  - Collaboration between School Finance and IT

- Call center management software

- Training during the summer for all LEAs

AELAS FUTURE CAPABILITIES

Priorities for FY2017

- Complete SAIS student replacement and decommissioning
  - APOR and CHAR will not be completed in FY17

- Build internal connections to AzEDS to reduce burden on LEAs

- Ensure proper support and management of overall project and newly-developed tools

- Continue implementation of opt-in tools to interested LEAs
  - Statewide Student Information System
  - Teaching and Learning Tools
  - Business requirements for AELAS School Finance applications

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Remaining AELAS work beyond FY2017

- **Most critical is ongoing support for new data system**

- New AZDash dashboards based on user input

- AELAS School Finance development and release

- Transition applications from old to new system

- SAIS replacement 'clean up' work based on unknown variables

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FY2017 original AELAS request

AELAS Initiative	FY17 Proposed	Project goal
New state aid payment calculator	$2,500,000	Replace SAIS's 48 poorly-developed manual state aid calculation tools
Overhauled student details databases	$3,800,000	Replace SAIS's poorly-developed databases that collect student data for state aid payments
Statewide Student Information System	$500,000	Leverage state contract for student information system resulting in significant savings for districts; Funds used to support system implementation
Student performance reporting tool	$500,000	Turning data into useable information to improve classroom instruction
TOTAL	$7,300,000	
ADE IT support	FY17 Proposed	Goals
Project goal Program Management	$500,000	Interface with local school districts; Financial accountability; Contract oversight; and Software development management
AELAS maintenance and support	$2,675,000	$2,675,000 Personnel and software licenses to run system; Without this line item, none of this will function.
TOTAL	$3,175,000	

FY2018 forecast for financial applications

- Reduced appropriation delays refactoring of APOR and CHAR
  - Core School Finance calculations
  - Discovery and modest design work to be completed

- Prior improvements have allowed ADE to reduce processing time from days to mere minutes

- SAIS continues to be operating on borrowed time

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AELAS cost estimates for ongoing operations

PROJECT NAME	FY2017	Headcount (FTE)
AZDash Ongoing Support and Maintenance of Student Data Stores and Data Refreshes of AZDash	**$400,000**	**3.0**
ADEConnect Maintain 24 hour access to ADE systems and reports for all stakeholders	**$240,000**	**2.0**
AELAS Program Support Office (PSO) Program Level Management of AELAS Development and Operations	**$700,000**	**8.0**
AELAS Operations Services Ongoing Operations Support of AELAS Infrastructure	**$1,835,000**	**15.0**
OEMS AzEDS Contact and Organization Management Support	**$0**	**0.0**
AELAS Operations subtotal	**$3,175,000**	**28.0**
AELAS Ed-Fi (AzEDS) Support, Maintenance, diagnostics and repairs of software issues	**$465,000**	**4.0**
School Finance Technical support, verification, maintenance of School payment engines	**$535,000**	**5.0**
Prop 301 Funding subtotal	**$1,000,000**	**9.0**
TOTAL	**$4,175,000**	**37.0**

Arizona
Department of Education

AELAS cost estimates for ongoing operations

PROJECT NAME	FY2018
AZDash Ongoing Support and Maintenance of Student Data Stores and Data Refreshes of AZDash	**$750,000**
ADEConnect Maintain 24 hour access to ADE systems and reports for all stakeholders	**$700,000**
AELAS Program Support Office (PSO) Program Level Management of AELAS Development and Operations	**$750,000**
AELAS Operations Services Ongoing Operations Support of AELAS Infrastructure	**$2,200,000**
OEMS AzEDS Contact and Organization Management Support	**$450,000**
AELAS Operations subtotal	**$4,850,000**
AELAS Ed-Fi (AzEDS) Support, Maintenance, diagnostics and repairs of software issues	**$600,000**
School Finance Technical support, verification, maintenance of School payment engines	**$400,000**
Required SAIS Replacement Support Funding subtotal	**$1,000,000**
TOTAL	**$5,850,000**

AELAS cost estimates for completion

PROJECT NAME	FY2017
AZDash No New Development	$0
AELAS School Finance Completion and warranty of Current Year Funding effort. Discovery and Design of replacement of SAIS's 48 manual state aid calculation tools including APOR/CHAR and budget applications	$740,000
AELAS Ed-Fi (AzEDS) Full LEA implementation of student data collection system and additional development/release of 150 remaining business rules to support federal/state reporting. Continued development and deployment of data services, migrating more than 80 existing ADE applications to AzEDS.	$3,305,000
AELAS Opt-in SIS Leverage state contract for student information system resulting in significant savings for districts; Funds used to support system implementation	$180,000
CEDS Development tasks closely related to AzEDS deliverables in FY2017. Will submit new PIJ for FY 2018 addressing standalone efforts	$0
TOTAL	$4,225,000

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AELAS cost estimates for completion

PROJECT NAME	FY2018
AZDash Prioritize, Develop, test, and deploy new dashboards to AZDash.	**$500,000**
AELAS School Finance Development and implementation of replacement of SAIS's 48 manual state aid calculation tools including APOR/CHAR and Budget applications	**$2,800,000**
AELAS Ed-Fi (AzEDS) Develop/deploy new rules for student data collection per statute. Complete discovery, design, development and deployment of support system replacements (Enterprise). Includes 7 unsupported high use SAIS applications	**$3,000,000**
AELAS Opt-in SIS No new funding required. Project sustainability estimated in FY 2018	**$0**
CEDS Convert and Transition Existing application connections from Enterprise to ODS	**$2,500,000**
TOTAL	**$8,800,000**

Thank You

Contact

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